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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO
10/584,446	01/08/2007	1623	1260	1556-0108PUS1

CONFIRMATION NO. 4158

2292

BIRCH STEWART KOLASCH & BIRCH
PO BOX 747
FALLS CHURCH, VA22040-0747

FILING RECEIPT

Date Mailed: 07/13/2007

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Applicant(s)

Sonia Amparo Ospina Sanchez, Bogota,
COLOMBIA;
Dolly Montoya Castro, Bogota, COLOMBIA;
Gustavo Buitrago Hurtado, Bogota, COLOMBIA;
Jairo Alonso Ceron Salamaca, Bogota,
COLOMBIA;
Oscar Calcedo Zamora, Bogota, COLOMBIA;

Power of Attorney: The patent practitioners associated with Customer Number 02292

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/IB04/04224 12/21/2004

Foreign Applications

COLOMBIA 03112173 12/23/2003

If Required, Foreign Filing License Granted: 03/14/2007

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is
US10/584,446

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

Title

Biopolymer Based on Lactococcus Lactis Nrri b-60656, Process for Culturing
Lactococcus Lactis Nrri b-30656, and Process for Preparing the Biopolymer

Preliminary Class

536

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER**Title 35, United States Code, Section 184****Title 37, Code of Federal Regulations, 5.11 & 5.15****GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

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NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

LAP15 Rec'd PCT/210 08 JAN 2007

Application No.: 10/584,446

Docket No.: 1556-0108PUS1



Docket No.: 1556-0108PUS1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of:

Sonia Amparo OSPINA SÁNCHEZ et al.

Application No.: 10/584,446

Confirmation No.: @@@

Filed: June 22, 2006

Art Unit: N/A

For: BIOPOLYMER BASED ON LACTOCOCCUS
LACTIS NRRL B-60656, PROCESS FOR
CULTURING LACTOCOCCUS LACTIS
NRRL B-30656, AND PROCESS FOR
PREPARING THE BIOPOLYMER

Examiner: Not Yet Assigned

**LETTER SUBMITTING ADDITIONAL DOCUMENTS FOR ENTERING NATIONAL
PHASE FOR A PCT APPLICATION**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Under the provisions of 37 C.F.R. 1.495, attached hereto are the following additional items necessary for entering the national phase in connection with the above-identified PCT international application.

☐ Attached is a copy of the Notification of Missing Requirements (371 Formalities Letter).

☒ Attached is the Executed Declaration and Power of Attorney. ☒ Original ☐ Photocopy.

☐ The specification attached to the executed Declaration and Power of Attorney is a true copy of the specification that was filed in the U.S. Patent and Trademark Office on June 22, 2006, including any amendments thereto (if applicable) filed on even date therewith.

03/15/2007 HP PERSON 00000000 022440
01 FC:1615 100.00 00

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IAP15 Rec'd PCT/PTO 08 JAN 2007

Application No.: 10/584,446

Docket No.: 1556-0108PUS1

Docket No.: 1556-0108PUS1
(PATENT)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of:
Sonia Amparo OSPINA SÁNCHEZ et al.

Application No.: 10/584,446

Confirmation No.: @@@

Filed: June 22, 2006

Art Unit: N/A

For: BIOPOLYMER BASED ON LACTOCOCCUS
LACTIS NRRL B-60656, PROCESS FOR
CULTURING LACTOCOCCUS LACTIS
NRRL B-30656, AND PROCESS FOR
PREPARING THE BIOPOLYMER

Examiner: Not Yet Assigned

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- ☐ Attached is a copy of the Notification of Missing Requirements (371 Formalities Letter).
- ☒ Attached is the Executed Declaration and Power of Attorney ☒ Original ☐ Photocopy.
- ☐ The specification attached to the executed Declaration and Power of Attorney is a true copy of the specification that was filed in the U.S. Patent and Trademark Office on June 22, 2006, including any amendments thereto (if applicable) filed on even date therewith.

☒ The undersigned hereby declares that "Attorney Docket No. 1556-0108PUS1" on page 1 of the attached Inventors' Declaration corresponds to Appl. No.10/584,446 filed June 22, 2006 entitled "BIOPOLYMER BASED ON LACTOCOCCUS LACTIS NRRL B-60656, PROCESS FOR CULTURING LACTOCUCCUS LACTIS NRRL B-30656, AND PROCESS FOR PREPARING THE BIOPOLYMER."

☒ Attached is an English language translation of the above-identified application that was filed in a foreign language, which should be used as the copy for examination purposes.

X See the attached Translator's Verification; or

The undersigned states that the English translation attached hereto is a true and correct translation of the application as originally filed in a foreign language.

☐ Attached are @@@ sheet(s) of drawings. Please substitute these replacement drawings for the corresponding @@@ sheet(s) of drawings on file in the above-identified application.

☐ Attached are substitute claims commencing on a separate sheet in accordance with 37 C.F.R. § 1.75(h).

☐ Attached is a substitute abstract commencing on a separate sheet in accordance with 37 C.F.R. § 1.72(b).

☐ Attached is a substitute specification that complies with 37 C.F.R. § 1.52. The substitute specification does not contain new matter.

☐ Attached is a preliminary amendment.

☐ Applicant claims small entity status under 37 C.F.R. § 1.27.

☐ Attached is a Supplemental Application Data Sheet (ADS).

Application No.: 10/584,446

Docket No.: 1556-0108PUS1

- ☐ Submitted concurrently herewith under separate cover for recording is an Assignment.
- ☐ Attached is a Petition for Extension of Time.
- ☒ The Government Filing Surcharge for late filing of oath and/or declaration in the amount of \$130.00 in accordance with 37 C.F.R. §§ 1.494 and 1.492 was previously paid for concurrently with the filing of the application on June 22, 2006.
- ☐ Attached hereto is the fee transmittal listing the required fees.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to our Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Dated: January 8, 2007

Respectfully submitted,

By 

Charles Gorenstein

Registration No.: 29,271

BIRCH, STEWART, KOLASCH & BIRCH, LLP

8110 Gatehouse Road

Suite 100 East

P.O. Box 747

Falls Church, Virginia 22040-0747

(703) 205-8000

Attorney for Applicant

Attachment(s)

Declaration and Power of Attorney for Patent Application

Declaración y poder para solicitud de patente

Spanish Language Declaration

Como inventor abajo nombrado, por este medio declaro que:

Mi residencia, dirección postal y ciudadanía son los que indican a continuación, al lado de mi nombre.

Considero que soy el primer, original y único inventor (si hay un solo nombre indicado a continuación) o el primer, original y único inventor conjunto (en caso de múltiples nombres a continuación) de la materia objeto de la reivindicación y para la cual se solicita una patente sobre el invento titulado
**BIOPOLIMERO BASADO EN LACTOCOCCUS LACTIS,
NRRL B_30656, EL PROCESO PARA CULTIVO
DE LACTOCOCCUS LACTIS NRRL Y EL PROCESO**

PARA LA PRODUCCION DEL BIOPOLIMERO
cuya descripción se anexa a la presente, salvo que se marque la siguiente casilla:

- ☐ fue presentada el 12/21/2004
bajo el número de solicitud de Estados Unidos o
número de solicitud internacional PCT
PCT/IB2004/004224 y modificada el día
_____ (de ser procedente).

Por este medio declaro que ha revisado y que entiendo el contenido de la descripción que antecede, incluso las reivindicaciones, según estén modificadas de acuerdo con cualquier modificación arriba citada.

Por este medio reconozco mi deber de divulgar información que sea esencial con respecto a la patentabilidad según se define en el Título 37 del Código de Regulaciones Federales § 1.56.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

BIOPOLYMER BASED ON LACTOCOCCUS LACTIS

**NRRL B-30656, PROCESS FOR CULTURING
LACTOCOCCUS LACTIS NRRL B_30656, AND
PROCESS FOR PREPARING THE BIOPOLYMER**
the specification of which is attached hereto unless the following box is checked:

- ☐ was filed on 12/21/2004
as United States Application Number or PCT
International Application Number
PCT/IB2004/004224 and was amended on
_____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Spanish Language Declaration

Por este medio reclamo prioridad extranjera bajo el Título 35, Código de Estados Unidos, § 119(a)-(d) o § 365(b) de cualquier o cualesquier solicitud(es) de patente o certificado de inventor extranjera(s), o bajo el Título 35, § 365(a) del mismo Código, de cualquier solicitud internacional PCT en que se designa por lo menos un país distinto a los Estados Unidos, dicha(s) solicitud(es) o dicho(s) certificado(s) enumerándose a continuación, y, marcando la(s) siguiente(s) casilla(s), también he identificado cualquier solicitud de patente o de certificado de inventor extranjera que tenga una fecha de presentación anterior a la fecha de la solicitud sobre la cual se reclama prioridad

Prior Foreign Application(s)

Solicitud(es) Extranjera(s) Anterior(es)
03112173 Colombia

(Number) (Country)
(Número) (País)

(Number) (Country)
(Número) (País)

Por este medio reclamo el beneficio bajo el Título 35, Código de Estados Unidos, § 119(c) de cualquier o cualesquier solicitud(es) provisional(es) de Estados Unidos enumerada(s) a continuación.

(Application No.) (Filing Date)
(Nº de solicitud) (Fecha de presentación)

(Application No.) (Filing Date)
(Nº de solicitud) (Fecha de presentación)

Por este medio reclamo el beneficio bajo el Título 35, Código de Estados Unidos, § 120 de cualquier o cualesquier solicitud(es) de Estados Unidos o, bajo el Título 35, § 365(c) del mismo Código, de cualquier solicitud internacional PCT en que se designan los Estados Unidos, dicha(s) solicitud(es) enumerándose a continuación y, en la medida en que el objeto de cada una de las reivindicaciones de la presente solicitud no hubiere sido divulgado en la solicitud anterior de Estados Unidos o internacional PCT, según lo dispuesto en el primer párrafo del Título 35, Código de Estados Unidos, § 112, reconozco el deber de divulgar información que fuere esencial con respecto a la patentabilidad, según se define en el Título 37, Código de Regulaciones Federales, § 1.56, que hubiere llegado a estar disponible entre la fecha de presentación de la solicitud anterior y la fecha de presentación nacional o internacional PCT de la presente solicitud.

(Application No.) (Filing Date)
(Nº de solicitud) (Fecha de presentación)

(Application No.) (Filing Date)
(Nº de solicitud) (Fecha de presentación)

Por este medio manifiesto que todas las declaraciones hechas en la presente en base a mis propios conocimientos son verdaderas y que considero que son verdaderas todas las declaraciones hechas en base al mejor saber y entender; adicionalmente manifiesto que dichas declaraciones se hicieron con conocimiento de que las declaraciones falsas intencionales y similares son punibles por multa o encarcelamiento o ambos, bajo la Sección 1001 del Título 18 del Código de Estados Unidos y que dichas declaraciones falsas intencionales pueden poner en peligro la validez de la solicitud o de cualquier patente concedida en virtud de la misma.

I hereby claim foreign priority under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed
Derecho de prioridad no reivindicado

23/12/2003

(Day/Month/Year Filed)
(Día/Mes/Año de presentación)

(Day/Month/Year Filed)
(Día/Mes/Año de presentación)

I hereby claim the benefit under Title 35, United States Code, § 119(c) of any United States provisional application(s) listed below.

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Status) (patented, pending, abandoned)
(Estado) (patentado, en trámite, abandonado)

(Status) (patented, pending, abandoned)
(Estado) (patentado, en trámite, abandonado)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Spanish Language Declaration

PODER: Como inventor nombrado, por este medio designo al siguiente abogado o abogados y/o agente o agentes para que tramiten la presente solicitud y realicen todas las gestiones ante la Oficina de Patentes y Marcas Registradas en relación con la misma: *(Indique el nombre y número de registro).*

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: *(list name and registration number).*

CUSTOMER No. 02292; (BIRCH, STEWART, KOLASCH & BIRCH, LLP)

Envíe la correspondencia a:

Send Correspondence to:

(703) 205-8000 / Facsimile (703) 205-8050

Dirija las llamadas telefónicas a:
(nombre y número de teléfono)

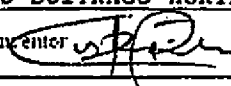
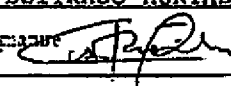
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(name and telephone number)

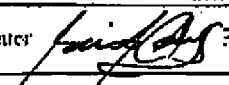
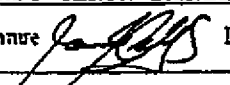
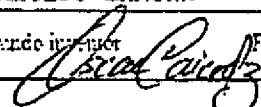
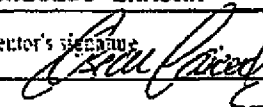
Nombre completo del único o primer inventor Sonia Amparo OSPINA SANCHEZ	Full name of sole or first inventor Sonia Amparo OSPINA SANCHEZ
Firma del inventor <i>[Signature]</i> Fecha 08-15-06	Inventor's signature <i>[Signature]</i> Date 08-15-06
Residencia Bogotá, Colombia	Residence Bogota, Colombia
Ciudadanía Colombia	Citizenship Colombia
Dirección postal Instituto de Biotecnología, Universidad	Post Office Address Instituto de Biotecnología, Universidad
Nacional de Colombia, Bogotá, Colombia	Nacional de Colombia, Bogotá, Colombia
Nombre completo del segundo inventor conjunto, si lo hubiere Delly MONTOYA CASTRO	Full name of second joint inventor, if any Delly MONTOYA CASTRO
Firma del segundo inventor <i>[Signature]</i> Fecha 08-15-06	Second Inventor's signature <i>[Signature]</i> Date 08-15-06
Residencia Bogotá, Colombia	Residence Bogota, Colombia
Ciudadanía Colombia	Citizenship Colombia
Dirección postal Instituto de Biotecnología, Universidad	Post Office Address Instituto de Biotecnología, Universidad
Nacional de Colombia, Bogotá, Colombia	Nacional de Colombia, Bogota, Colombia

(Suministre información similar y firmas del tercer inventor conjunto y subsiguientes.)

(Supply similar information and signature for third and subsequent joint inventors.)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Nombre completo del único o primer inventor Gustavo BUITRAGO HURTADO	Full name of sole or first inventor Gustavo BUITRAGO HURTADO
Firma del inventor  Fecha 08-15-2006	Inventor's signature  Date 08-15-2006
Residencia Bogotá, Colombia	Residence Bogota, Colombia
Ciudadanía Colombia	Citizenship Colombia
Dirección postal Instituto de Biotecnología,	Post Office Address Instituto de Biotecnologia
Universidad Nacional de Colombia,	Universidad Nacional de Colombia,
Bogotá, Colombia	Bogota, Colombia

Nombre completo del único o primer inventor Jairo Alonso CERON SALAMANCA	Full name of sole or first inventor Jairo Alonso CERON SALAMANCA
Firma del inventor  Fecha 08-15-06	Inventor's signature  Date 08-15-06
Residencia Bogotá, Colombia	Residence Bogotá Colombia
Ciudadanía Colombia	Citizenship Colombia
Dirección postal Instituto de Biotecnología	Post Office Address Instituto de Biotecnologia
Universidad Nacional de Colombia	Universidad Nacional de Colombia
Bogotá, Colombia	Bogotá, Colombia
Nombre completo del segundo inventor conjunto, si lo hubiere Oscar CAICEDO ZAMORA	Full name of second joint inventor, if any Oscar CAICEDO ZAMORA
Firma del segundo inventor  Fecha 08-15-06	Second Inventor's signature  Date 08-15-06
Residencia Bogotá, Colombia	Residence Bogota, Colombia
Ciudadanía Colombia	Citizenship Colombia
Dirección postal Instituto de Biotecnología	Post Office Address Instituto de Biotecnologia
Universidad Nacional de Colombia	Universidad Nacional de Colombia
Bogotá, Colombia	Bogotá, Colombia